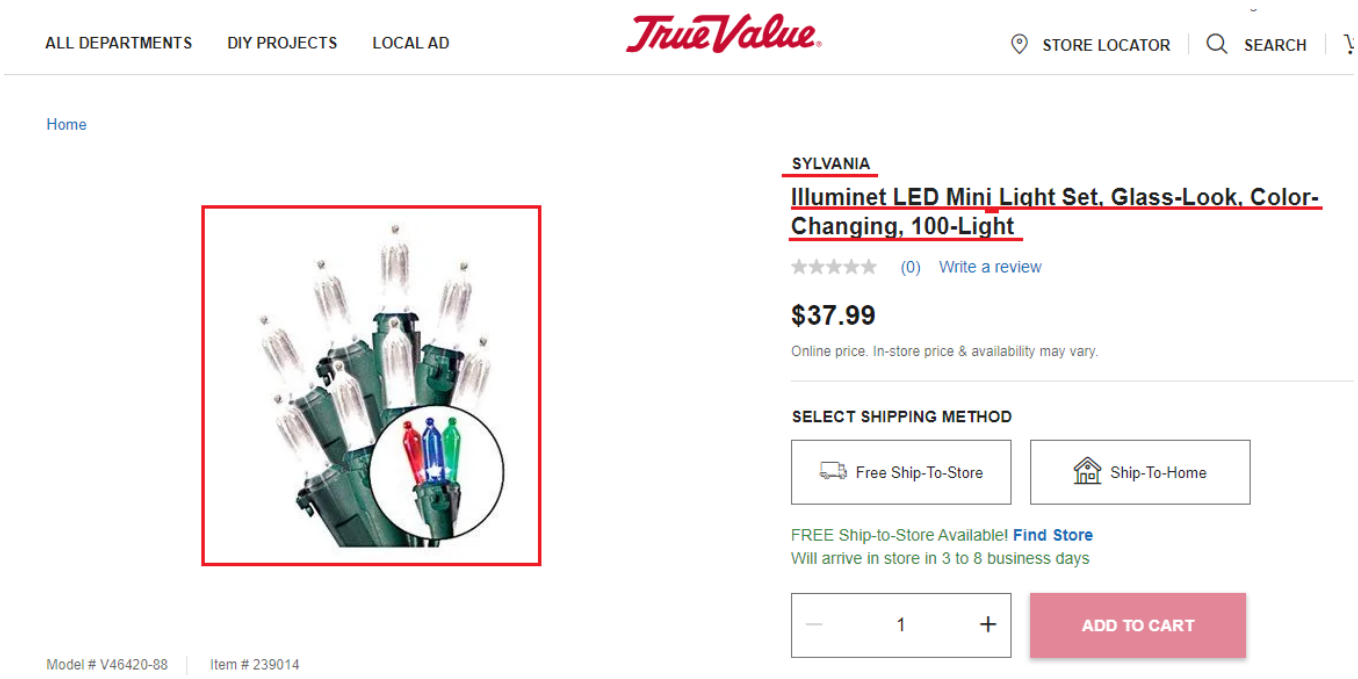
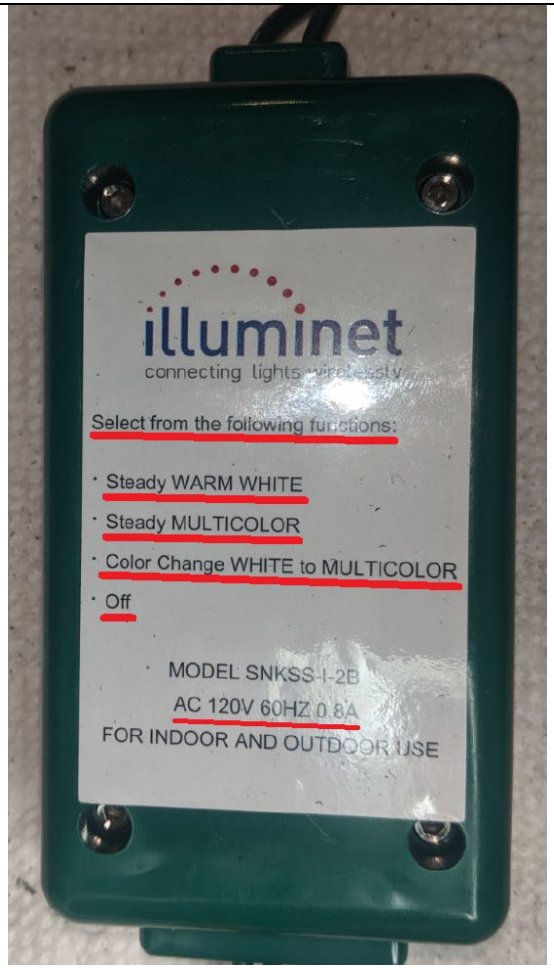
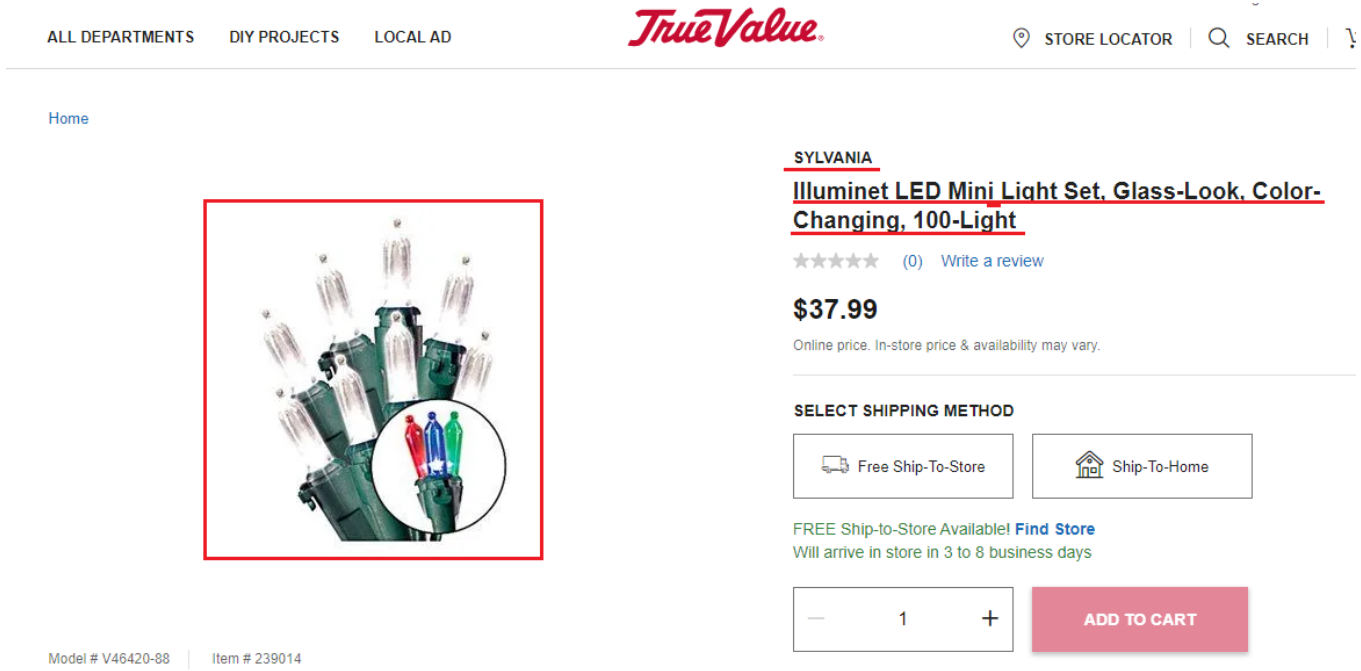
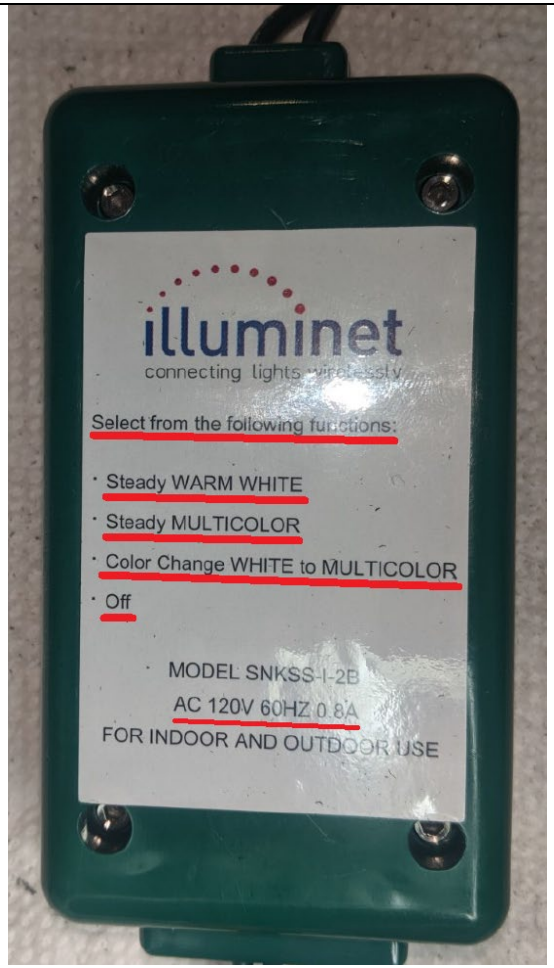
Exhibit 4

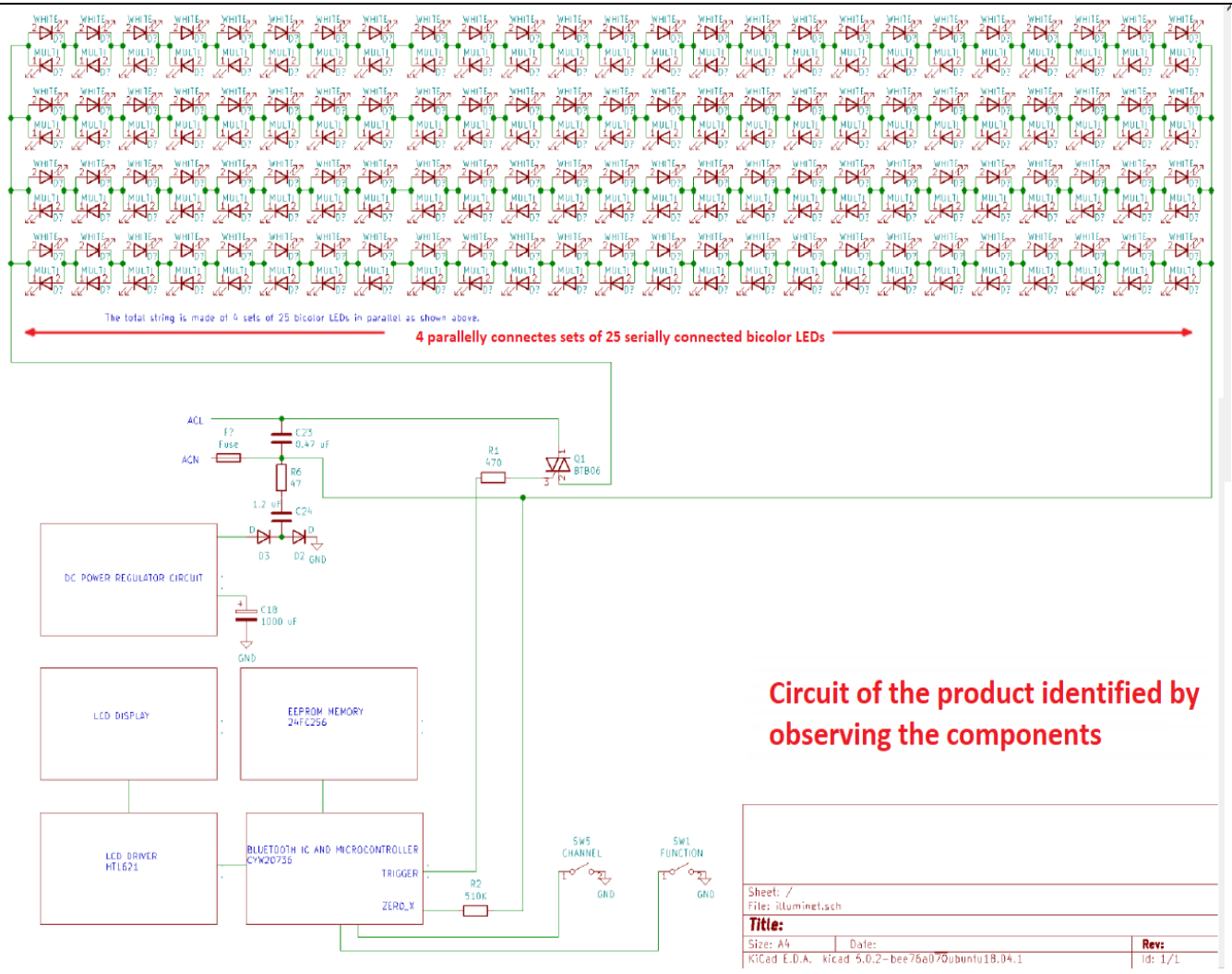
US6285140	Sale of Sylvania Illuminet V46420 ("The accused product") by True Value (“The defendant”)
18. A variable-effect lighting system comprising:	The defendant offers for sale “Sylvania Illuminet V46420”, hereinafter referred to as “The accused product”. The accused product is a variable effect (e.g., 3 light effects) lighting system.  https://www.truevalue.com/illuminet-led-mini-light-set-glass-look-color-changing-100-light

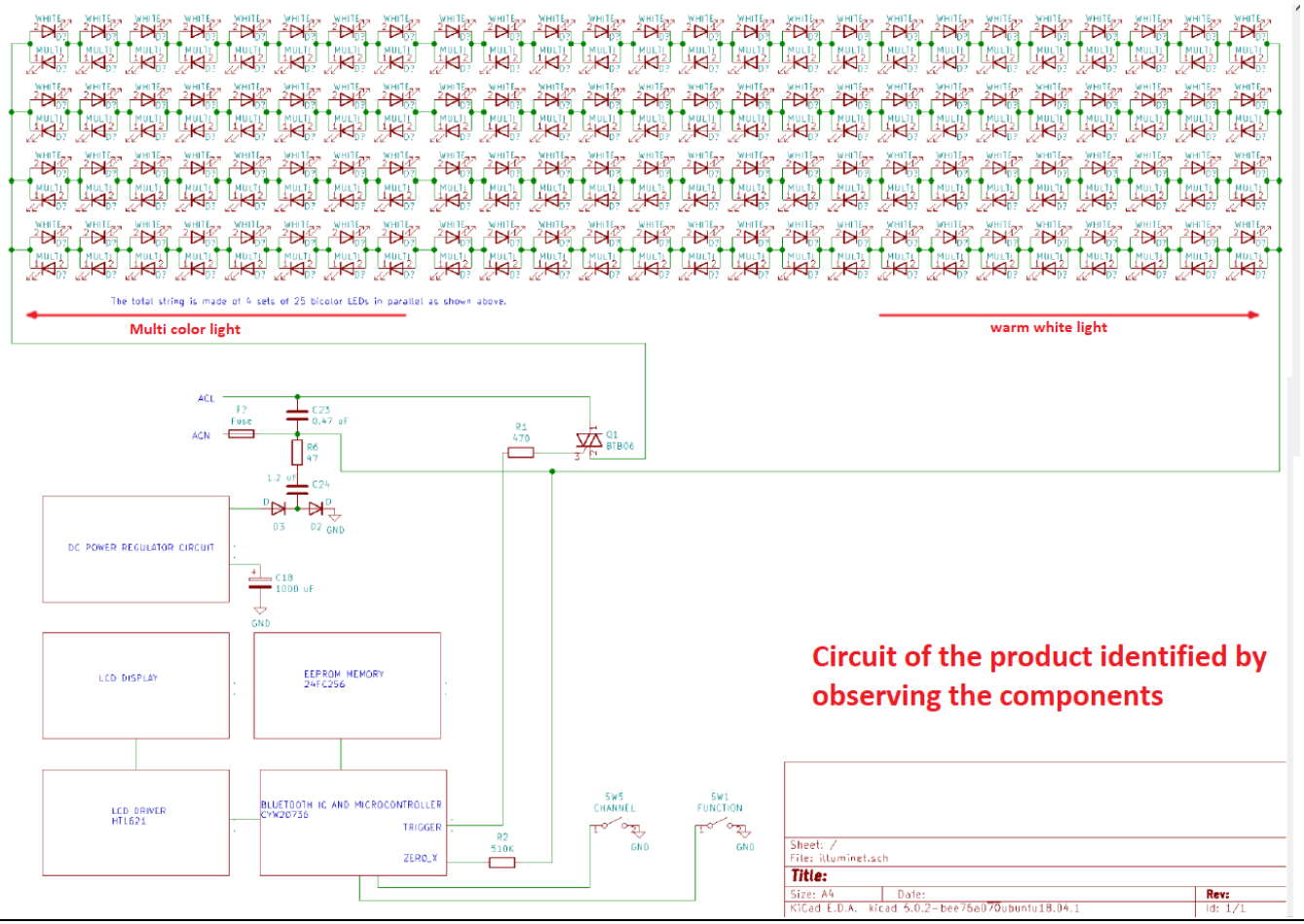
	
a lamp assembly comprising a plurality of multi-coloured lamps in series with an AC	The accused product comprises a lamp assembly comprising a plurality of multi-coloured lamps (e.g., there are 4 sets of 25 warm white LEDs paired with colored LEDs) in series with an AC voltage source (e.g., the 25 pairs of LEDs are in series to a 120V ~ 60Hz, 0.8A AC power source) and in series with each other (e.g. the 25 sets of LED pairs are all in series with each other), the AC voltage source having a first voltage phase (e.g., positive

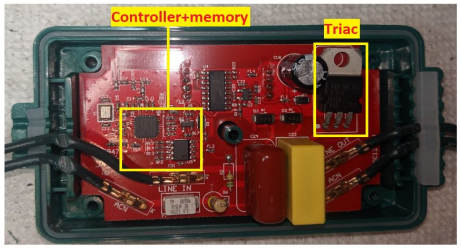
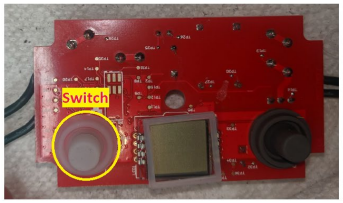
voltage source and in series with each other, the AC voltage source having a first voltage phase and a second voltage phase opposite the first phase,	voltage) and a second voltage phase (e.g., negative voltage) opposite the first phase (e.g., an AC power supply has first and second opposite phases).  https://www.truevalue.com/illuminet-led-mini-light-set-glass-look-color-changing-100-light

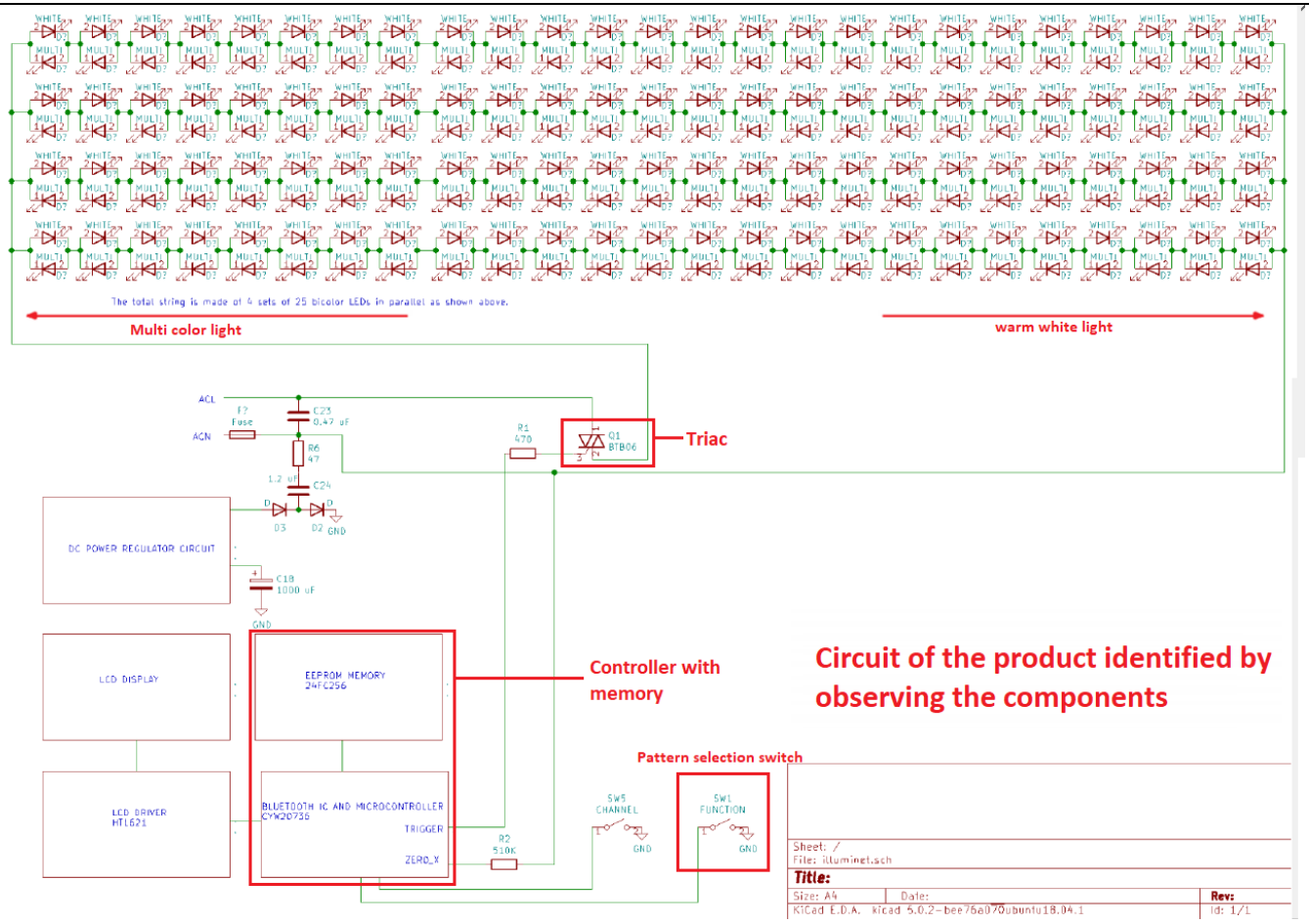


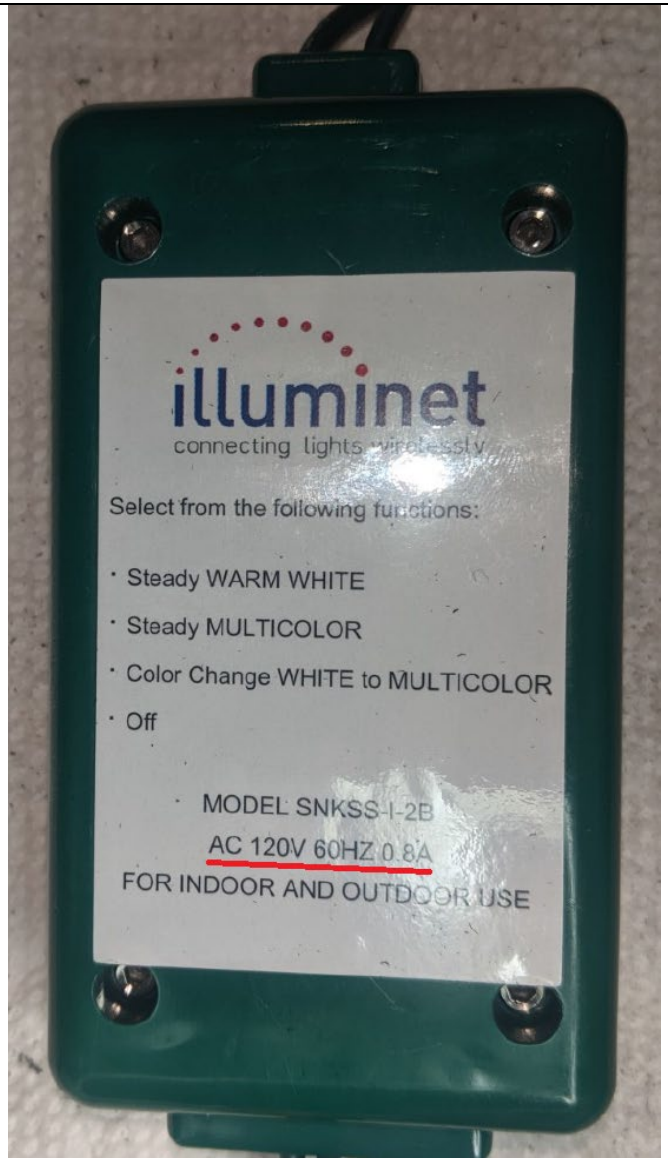
As disclosed below accused product has 4 parallelly connected sets of 25 serially connected LEDs.

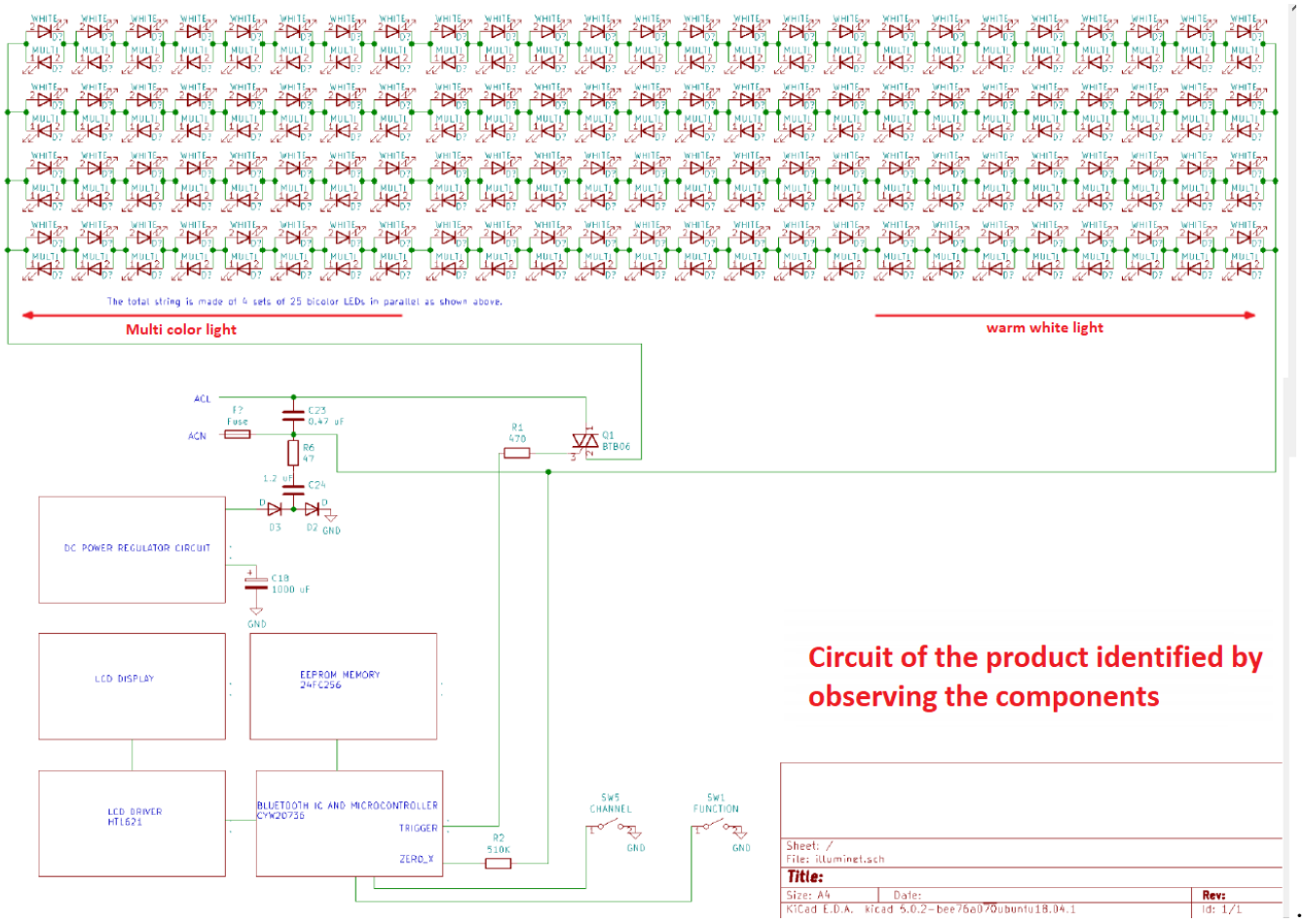
	
each said multi-coloured lamp comprising a first illuminating	Each of the multi-coloured lamps utilized by the accused product comprises a first illuminating element for producing a first colour (e.g., warm white color) of light during the first voltage phase (e.g., positive voltage), and a second illuminating element for producing a second colour (e.g., any color other than the cool white) of light different from the first colour during the second voltage phase (e.g., negative voltage).

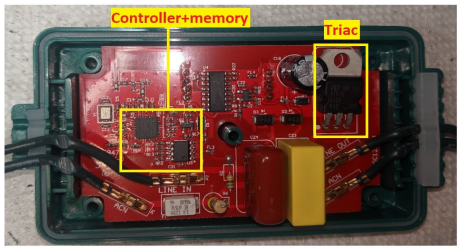
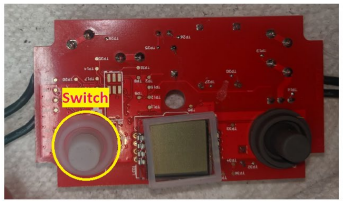
element for producing a first colour of light during the first voltage phase, and a second illuminating element for producing a second colour of light different from the first colour during the second voltage phase; and	The bicolor LEDs have two back to back connected LEDs such that when positive voltage is applied to the terminals of LED then one LED illuminates and when negative voltage is applied to the terminals of LED then another LED illuminates. 
a programmable lamp controller	The accused product comprises a programmable lamp controller (e.g., an 8-pin controller chip) coupled to the lamp assembly for setting a conduction angle (e.g., conduction angle set by the controller) of each said

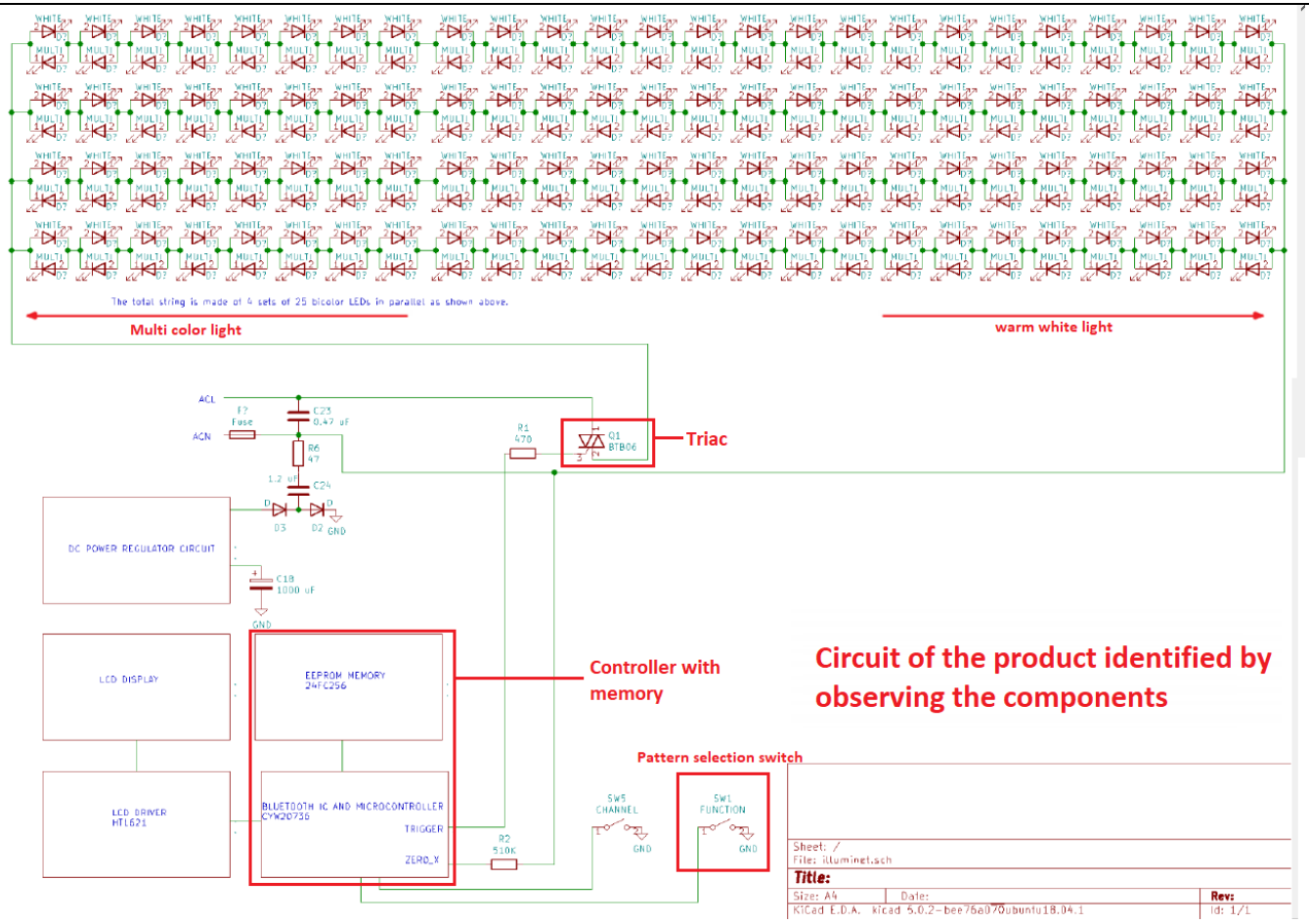
coupled to the lamp assembly for setting a conduction angle of each said illuminating element according to at least one predetermined pattern, each said predetermined pattern being stored in a memory of the controller.	illuminating element according to at least one predetermined pattern (e.g., one of the 3 patterns selected by the user), each said predetermined pattern being stored in a memory of the controller (e.g. the accused product must have a memory where the preprogramed lighting patterns are stored). As disclosed below controller of the accused product is attached with a triac. The triac conducts current in either direction when triggered and hence allows the controller to vary the conduction angle.   


The total string is made of 4 sets of 25 bicolor LEDs in parallel as shown above.
Multi color light
warm white light
ACL
ACN
F?
Fuse
C23
0.47 uF
R6
47
1.2 uF
C24
D3
D2
GND
R1
470
Q1
BTB06
Triac
DC POWER REGULATOR CIRCUIT
C18
1000 uF
GND
LCD DISPLAY
EEPROM MEMORY
24FC256
Controller with memory
LCD DRIVER
HT1621
BLUETOOTH IC AND MICROCONTROLLER
CYW20736
TRIGGER
ZERO_X
R2
510K
Circuit of the product identified by observing the components
Pattern selection switch
SW5
CHANNEL
SW1
FUNCTION
GND
GND
Sheet: /
File: illuminet.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 5.0.2-bee76a0~70ubuntu18.04.1
Id: 1/1


illuminet
connecting lights wirelessly
Select from the following functions:
• Steady WARM WHITE
• Steady MULTICOLOR
• Color Change WHITE to MULTICOLOR
• Off
MODEL SNKSS-I-2B
AC 120V 60HZ 0.8A
FOR INDOOR AND OUTDOOR USE

19. The lighting system according to claim 18, wherein each said multi-coloured lamp comprises a pair of light-emitting diodes connected back-to-back, a first light-emitting diode of the light-emitting diode comprising the first illuminating element and a second light-emitting diode of the light-emitting diode pair comprising the second illuminating element.	The accused product comprises multi-coloured lamps (e.g., warm white and various other colored LEDs) comprising a pair of light-emitting diodes connected back-to-back, a first light-emitting diode of the light-emitting diode comprising the first illuminating element (e.g., illuminating element used for the warm white color) and a second light-emitting diode of the light-emitting diode pair comprising the second illuminating element (e.g., illuminating element used for the multi-color effect). 

20. The lighting system according to claim 18, wherein the at least one pattern is selectable according to a user-operable input to the controller.	The accused product comprises various patterns which are selectable according to a user-operable input (e.g., switch operation by a user) to the controller (e.g., an 8-pin controller chip).   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BTB06
Triac
DC POWER REGULATOR CIRCUIT
C18
1000 uF
GND
LCD DISPLAY
EEPROM MEMORY
24FC256
Controller with memory
LCD DRIVER
HT1621
BLUETOOTH IC AND MICROCONTROLLER
CYW20736
TRIGGER
ZERO_X
R2
510K
SW5
CHANNEL
SW1
FUNCTION
GND
Pattern selection switch
Circuit of the product identified by observing the components
Sheet: /
File: illuminet.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 5.0.2-bee76a0~70ubuntu18.04.1
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